Amendments to the claims:

Claims 1-2: (cancelled)

3. (previously presented) The method as defined in claim 12, wherein the composition of the air-hardened steel includes standard impurities.

4. (currently amended) A method of making a roll bearing part or component, comprising the steps of

- making a semi-finished article of air-hardened steel, wherein a minimum carbon content of the semi-finished article is selected so that a minimum hardness required for the use as the roll bearing part or component is provided, wherein a temperature-time behavior of the air-hardened steel permits a cooling that is sufficiently slow for formation of a martensitic structure, such that no forced cooling process must be performed;
- cold-forming the semi-finished article into a finished-shaped roll bearing part or component with a predetermined finished shape;
- then hardening the finished-shape roll bearing part or component by a heat treating process; and
- selecting a composition of the air-hardened steel comprising:

about 0.67 % by weight carbon,

about 1.50 % by weight silicon,

about 1.50 % by weight manganese,

about 1.00 % by weight chromium,
about 0.10 % by weight nickel,
about 0.25 % by weight molybdenum, and iron.

5. (previously presented) The method as defined in claim 4, wherein the composition of the air-hardened steel includes standard impurities.

6. (previously presented) The method as defined in claim 12, wherein said cold-forming of the semi-finished article comprises hammering the semi-finished article.

7. (canceled)

8. (previously presented) The method as defined in claim 12, wherein said cold-forming of the semi-finished article comprises tapping and pressing the semi-finished article.

9. (canceled)

10. (previously presented) The method as defined in claim 12, further comprising performing a surface improving treatment after said hardening.

11. (canceled)

12. (currently amended) A method of making an air-hardened steel roll bearing part or component, comprising the steps of

- making air-hardened steel with a composition comprising:

  from about 0.31 % to about 0.85 % by weight carbon,

  from about 0.95% to about 2.10 % by weight silicon,

  from about 1.15% to about 1.85% by weight manganese,

  from about 0.00% to about 1.65 % by weight chromium,

  from about 0.05 % to about 0.20 % by weight nickel,

  from about 0.10 % to about 0.70 % molybdenum, and iron;

- making from the air-hardened steel a semi-finished article, wherein a minimum carbon content of the semi-finished article is selected so that a minimum hardness required for use as the roll bearing part or component is provided, wherein a temperature-time behavior of the air-hardened steel permits a cooling that is sufficiently slow for formation of a martensitic structure, such that no forced cooling process must be performed;

- cold-forming the semi-finished article into a finished shaped roll bearing part or component with a predetermined finished shape; and

- then hardening the finished-shape roll bearing part or component by a heat treating process.